Title (en)

Method for operating a green-sand molding machine

Title (de)

Verfahren zum Betreiben einer Maschine zum Herstellen von Giessformen aus Grünsand

Title (fr)

Procédé d' opération d' une machine pour la fabrication de moules en sable cru

Publication

EP 0968777 A1 20000105 (EN)

Application

EP 99112740 A 19990701

Priority

JP 18600298 A 19980701

Abstract (en)

A method and system for operating a green-sand molding machine with the aid of a computer is provided. The system (10) comprises a green-sand molding machine (1) and a computer system (20), which includes an input interface (2), a calculating unit (3), and an output interface (4). The input interface (2) receives the input data of a user that includes the type of a given green-sand molding process, the design condition of a pattern plate, the physical characteristics of the green sand, and the pressure of squeezing, for the machine (1). The calculating unit (3) calculates the charging of the green sand in a green-sand mold by analyzing the green-sand molding process based on the input data of the user from the input interface (2) before the mold has been actually produced. The output interface (4) provides the calculated results from the calculating unit (3) to the machine (1) so as to make the controlled amount for the machine (1) to follow the results calculated during an actual molding process that is carried out by the machine (1). <IMAGE>

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IPC 8 full level

B22C 15/02 (2006.01); **B22C 19/04** (2006.01)

CPC (source: EP US)

B22C 19/04 (2013.01 - EP US)

Citation (search report)

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- [X] "INTELLIGENT SYSTEM RECOGNISES THE MOULD", FOUNDRY TRADE JOURNAL, vol. 163, no. 3384 + SUPPL, 10 February 1989 (1989-02-10), pages 64/65, XP000023637, ISSN: 0015-9042

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